

**Table 1. 2003 Summary Statistics**

Item	Value	U.S. Rank
<b>North Carolina</b>		
NERC Region(s).....		SERC
Primary Energy Source .....		Coal
Net Summer Capability (megawatts).....	27,263	12
Electric Utilities .....	23,725	5
Independent Power Producers & Combined Heat and Power .....	3,538	25
Net Generation (megawatthours).....	127,582,319	9
Electric Utilities .....	118,433,112	4
Independent Power Producers & Combined Heat and Power .....	9,149,207	25
Emissions (thousand metric tons)		
Sulfur Dioxide .....	450	10
Nitrogen Oxide.....	138	10
Carbon Dioxide.....	71,977	13
Sulfur Dioxide (lbs/MWh).....	7.8	13
Nitrogen Oxide (lbs/MWh).....	2.4	30
Carbon Dioxide (lbs/MWh).....	1,244	34
Total Retail Sales (megawatthours).....	121,335,121	9
Full Service Provider Sales (megawatthours).....	121,335,121	7
Direct Use (megawatthours).....	4,091,493	12
Average Retail Price (cents/kWh).....	6.86	22

See footnotes at end of tables.

**Table 2. Ten Largest Plants by Generating Capability, 2003**

Plant	Energy Sources	Operating Company	Net Summer Capability (MW)
<b>North Carolina</b>			
1. Roxboro .....	Petroleum, Coal	Carolina Power & Light Co	2,477
2. Belews Creek.....	Petroleum, Coal	Duke Energy Corp	2,240
3. McGuire.....	Nuclear	Duke Energy Corp	2,200
4. Marshall .....	Petroleum, Coal	Duke Energy Corp	2,090
5. Brunswick.....	Nuclear	Carolina Power & Light Co	1,683
6. Lincoln Combustion .....	Petroleum	Duke Energy Corp	1,267
7. Richmond.....	Petroleum, Gas	Carolina Power & Light Co	1,247
8. G G Allen.....	Petroleum, Coal	Duke Energy Corp	1,140
9. Rowan.....	Petroleum, Gas	Progress Energy Ventures	967
10. Asheville .....	Petroleum, Gas, Coal	Carolina Power & Light Co	937

See footnotes at end of tables.

**Table 3. Top Five Providers of Retail Electricity, 2003**  
(Megawatthours)

Entity	Ownership Type	All Sectors	Residential	Commercial	Industrial	Transportation
<b>North Carolina</b>						
1. Duke Energy Corp.....	Investor-Owned	53,024,862	18,385,089	19,630,622	15,009,151	0
2. Carolina Power & Light Co.....	Investor-Owned	34,857,713	13,159,332	12,177,971	9,520,410	0
3. Dominion Virginia Power .....	Investor-Owned	3,873,836	1,423,184	887,559	1,563,093	0
4. Fayetteville Public Works Comm .....	Public	2,043,860	850,900	813,515	379,445	0
5. EnergyUnited Elec Member Corp.....	Cooperative	1,926,340	1,368,999	435,380	121,961	0
Total Sales, Top Five Providers.....		95,726,611	35,187,504	33,945,047	26,594,060	0
Percent of Total State Sales .....		79	71	81	88	0

See footnotes at end of tables.

**Table 4. Electric Power Industry Net Summer Capability by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatts)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
North Carolina							
Electric Utilities.....	19,767	21,020	23,725	2.0	92.0	92.0	87.0
Coal.....	12,438	12,440	12,440	*	57.9	54.5	45.6
Petroleum.....	304	358	400	3.1	1.4	1.6	1.5
Natural Gas.....	68	96	2,270	47.7	.3	.4	8.3
Dual Fired.....	718	1,851	2,176	13.1	3.3	8.1	8.0
Nuclear .....	4,639	4,691	4,783	.3	21.6	20.5	17.5
Hydroelectric .....	1,532	1,584	1,562	.2	7.1	6.9	5.7
Pumped Storage .....	68	0	94	3.7	.3	.0	.3
Independent Power Producers and Combined							
Heat and Power .....	1,716	1,821	3,538	8.4	8.0	8.0	13.0
Coal.....	917	826	828	-1.1	4.3	3.6	3.0
Petroleum.....	18	40	50	12.0	.1	.2	.2
Natural Gas.....	0	14	566	NM	.0	.1	2.1
Dual Fired.....	188	191	1,415	25.1	.9	.8	5.2
Hydroelectric .....	362	405	377	.5	1.7	1.8	1.4
Other Renewables .....	194	308	265	3.5	.9	1.3	1.0
Other .....	37	37	37	.0	.2	.2	.1
Total Electric Industry.....	21,483	22,841	27,263	2.7	100.0	100.0	100.0
Coal.....	13,356	13,266	13,268	-1	62.2	58.1	48.7
Petroleum.....	321	398	451	3.8	1.5	1.7	1.7
Natural Gas.....	68	110	2,836	51.4	.3	.5	10.4
Dual Fired.....	906	2,042	3,591	16.5	4.2	8.9	13.2
Nuclear .....	4,639	4,691	4,783	.3	21.6	20.5	17.5
Hydroelectric .....	1,894	1,990	1,939	.3	8.8	8.7	7.1
Other Renewables .....	194	307	264	3.5	.9	1.3	1.0
Pumped Storage .....	68	0	94	3.7	.3	.0	.3
Other .....	37	37	37	.0	.2	.2	.1

See footnotes at end of tables.

**Table 5. Electric Power Industry Generation by Primary Energy Source, 1994, 1998, and 2003**  
(Megawatthours)

Energy Source	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
North Carolina							
Electric Utilities.....	91,454,784	113,112,235	118,433,112	2.9	90.7	93.2	92.8
Coal.....	53,234,497	69,000,633	70,630,278	3.2	52.8	56.8	55.4
Petroleum.....	199,418	285,902	459,947	9.7	.2	.2	.4
Natural Gas.....	69,076	936,314	1,257,328	38.0	.1	.8	1.0
Nuclear.....	32,346,007	38,778,211	40,906,900	2.6	32.1	31.9	32.1
Hydroelectric.....	5,224,967	4,045,503	5,059,386	-4	5.2	3.3	4.0
Pumped Storage.....	380,819	65,672	119,273	-12.1	.4	.1	.1
Independent Power Producers and Combined							
Heat and Power.....	9,373,878	8,266,589	9,149,207	-3	9.3	6.8	7.2
Coal.....	4,889,893	3,948,830	4,145,953	-1.8	4.8	3.3	3.3
Petroleum.....	252,816	405,412	323,748	2.8	.3	.3	.3
Natural Gas.....	241,166	348,043	323,038	3.3	.2	.3	.3
Other Gases.....	0	0	17	NM	.0	.0	.0
Hydroelectric.....	1,967,309	1,692,704	2,141,558	.9	2.0	1.4	1.7
Other Renewables.....	1,761,917	1,622,244	2,031,422	1.6	1.7	1.3	1.6
Other.....	260,777	249,356	183,472	-3.8	.3	.2	.1
Total Electric Industry.....	100,828,662	121,378,824	127,582,319	2.6	100.0	100.0	100.0
Coal.....	58,124,390	72,949,463	74,776,231	2.8	57.6	60.1	58.6
Petroleum.....	452,234	691,314	783,695	6.3	.4	.6	.6
Natural Gas.....	310,242	1,284,357	1,580,366	19.8	.3	1.1	1.2
Other Gases.....	0	0	17	NM	.0	.0	.0
Nuclear.....	32,346,007	38,778,211	40,906,900	2.6	32.1	31.9	32.1
Hydroelectric.....	7,192,276	5,738,207	7,200,944	*	7.1	4.7	5.6
Other Renewables.....	1,761,917	1,622,244	2,031,422	1.6	1.7	1.3	1.6
Pumped Storage.....	380,819	65,672	119,273	-12.1	.4	.1	.1
Other.....	260,777	249,356	183,472	-3.8	.3	.2	.1

See footnotes at end of tables.

**Table 6. Electric Power Delivered Fuel Prices for Coal, Petroleum, and Natural Gas, 1994, 1998, and 2003**

Fuel, Quality	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>North Carolina</b>				
Coal (cents per million Btu).....	168.2	143.8	178.4	0.7
Average heat value (Btu per pound).....	12,416	12,398	12,423	*
Average sulfur Content (percent).....	.9	.9	.9	-1.0
Petroleum (cents per million Btu).....	383.8	310.5	622.7	5.5
Average heat value (Btu per gallon).....	138,239	138,168	140,847	.2
Average sulfur Content (percent).....	.2	.2	.5	10.1
Natural Gas (cents per million Btu).....	325.7	267.9	560.4	6.2
Average heat value (Btu per cubic foot).....	1,038	1,048	1,032	-1

See footnotes at end of tables.

**Table 7. Electric Power Industry Emissions Estimates, 1994, 1998, and 2003**  
(Thousand Metric Tons)

Emission Type	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)
<b>North Carolina</b>				
Sulfur Dioxide				
Coal .....	377	446	437	1.6
Petroleum .....	1	2	4	14.8
Natural Gas .....	—	*	*	NM
Other .....	15	2	10	-4.7
Total .....	394	450	450	1.5
Nitrogen Oxide				
Coal .....	220	247	133	-5.5
Petroleum .....	1	2	2	.4
Gas .....	1	1	*	-3.9
Other .....	4	4	3	-.5
Total .....	226	253	138	-5.3
Carbon Dioxide				
Coal .....	55,277	68,007	69,848	2.6
Petroleum .....	1,143	1,497	1,258	1.1
Gas .....	281	998	789	12.1
Geothermal .....	—	—	—	NM
Other .....	15	13	82	20.8
Total .....	56,716	70,515	71,977	2.7

See footnotes at end of tables.

**Table 8. Retail Sales, Revenue, and Average Retail Price by Sector, 1994, 1998, and 2003**

Sector	1994	1998	2003	Annual Growth Rate 1994-2003 (Percent)	Percentage Share		
					1994	1998	2003
North Carolina							
Retail Sales (thousand megawatthours)							
Residential.....	37,207	42,890	49,349	3.2	37.3	37.8	40.7
Commercial.....	27,458	33,637	41,672	4.7	27.5	29.6	34.3
Industrial.....	33,307	34,986	30,314	-1.0	33.4	30.8	25.0
Other.....	1,817	2,083	NA	NM	1.8	1.8	NA
Total.....	99,789	113,596	121,335	2.2	100.0	100.0	100.0
Retail Revenue (million dollars)							
Residential.....	3,041	3,434	4,106	3.4	46.0	46.8	49.3
Commercial.....	1,802	2,137	2,770	4.9	27.3	29.1	33.3
Industrial.....	1,642	1,620	1,453	-1.3	24.8	22.1	17.4
Other.....	126	142	NA	NM	1.9	1.9	NA
Total.....	6,611	7,332	8,329	2.6	100.0	100.0	100.0
Average Retail Price (cents/kWh)							
Residential.....	8.17	8.01	8.32	.2	NA	NA	NA
Commercial.....	6.56	6.35	6.65	.1	NA	NA	NA
Industrial.....	4.93	4.63	4.79	-.3	NA	NA	NA
Other.....	6.91	6.79	NA	NM	NA	NA	NA
Total.....	6.62	6.45	6.86	.4	NA	NA	NA

See footnotes at end of tables.

**Table 9. Retail Electricity Sales Statistics, 2003**

Item	Full Service Providers					Other Providers		Total
	Investor-Owned	Public	Federal	Cooperative	Facility	Energy	Delivery	
North Carolina								
Number of Entities.....	3	72	1	32	3	NA	NA	111
Number of Retail Customers.....	2,934,296	538,836	4	892,553	3	NA	NA	4,365,692
Retail Sales (thousand megawatthours) .....	91,756	14,823	6	14,719	31	NA	NA	121,335
Percentage of Retail Sales .....	75.62	12.22	*	12.13	.03	NA	NA	100.00
Revenue from Retail Sales (million dollars) .....	5,877	1,208	*	1,244	*	NA	NA	8,329
Percentage of Revenue.....	70.56	14.50	*	14.94	*	NA	NA	100.00
Average Retail Price (cents/kWh).....	6.40	8.15	3.91	8.45	.39	NA	NA	6.86

Table 9 Notes: Data are shown for All Sectors. **Full Service Providers** sell bundled electricity services (e.g., both energy and delivery) to end users. Full Service Providers may purchase electricity from others (such as Independent Power Producers or other full service providers) prior to delivery. **Other Providers** sell either the energy or the delivery services, but not both. Sales volumes and customer counts shown for Other Providers refer to delivered electricity, which is a joint activity of both energy and delivery providers; for clarity, they are reported only in the Energy column in this table. The revenue shown under Other Providers represents the revenue realized from the sale of the energy and the delivery services distinctly. "Public" entities include municipalities, State power agencies, and municipal marketing authorities. "Federal" entities are either owned or financed by the Federal Government. "Cooperatives" are electric utilities legally established to be owned by and operated for the benefit of those using its service. The cooperative will generate, transmit, and/or distribute supplies of electric energy to a specified area not being serviced by another utility. "Facility" sales represent direct electricity transactions from independent generators to end use consumers.

Other Notes: NA = Not applicable; NM = Not meaningful;

W = Withheld to avoid disclosure of individual company data;

\* = Value is less than half of the smallest unit of measure (e.g., for values with no decimals, the smallest unit is '1' and values under 0.5 are shown as '\*').

Totals may not equal sum of components because of independent rounding;

Table 4 "Other Renewables" includes generation from municipal solid waste; Table 7 "Other" includes emissions from municipal solid waste.

Direct Use is commercial or industrial use of electricity that 1) is self-generated, 2) is produced by either the same entity that consumes the power or an affiliate, and 3) is used in direct support of a service or industrial process located within the same facility or group of facilities that houses the generating equipment. Direct use is exclusive of station use.